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BOOK NOTICES.

PRACTICAL STRUCTURAL DESIGN, by Ernest McCullough, C. E. New York, U. P. C. Book Company, 1917. 303 pages, illustrations, 6×9 inches, cloth. Price, \$2.50.

In the field of structural design, particularly as applied to building construction, the procedure in fixing the sizes of the component members of a structure have been reduced, relatively speaking, to a few simple theorems of statics not difficult to comprehend and apply with a limited mathematical equipment; and, with the protection of carefully drawn building laws, no very serious mistakes can be made on occasional problems of design which might strictly require an analysis beyond the powers of those whose acquaintance with the subject is thus limited.

The book is primarily intended for this class of readers—men who cannot attend evening classes. It is also intended as a text-book in such classes. The subject-matter consists of the usual problems of practice, which really constitute all but a small percentage of design operations. Being limited as to mathematical treatment, some important theorems have to be stated without formal proof. The work is divided under the following general headings: External Forces, 47 pages; Internal Forces, 29 pages; Problems in Design of Beams, 17 pages; Girders and Trusses, 34 pages; Joints and Connections, 71 pages; Graphic Statics, 34 pages; Columns and Struts, 54 pages; Index, 8 pages.

The work is very practical as well as deductive in treatment and is well adapted to the needs of evening-school students.

LUCIEN E. PICOLET.